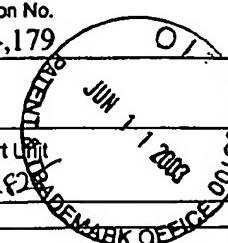


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|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------|---------------------------------|
| Substitute Form PTO-1449<br>(Modified)                                                                                | U.S. Department of Commerce<br>Patent and Trademark Office | Attorney's Docket No.<br>10559-607001 ✓  | Application No.<br>10/054,179 ✓ |
| <b>Information Disclosure Statement</b><br>by Applicant<br>(Use several sheets if necessary)<br><br>(37 CFR §1.98(b)) |                                                            | Applicant<br>William R. Wheeler et al. ✓ |                                 |
|                                                                                                                       |                                                            | Filing Date<br>January 17, 2002 ✓        | Group Art Unit<br>2123 ✓ 2825   |

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|                       | AC        | 5,828,581       | 10/1998          | Matumura          |       |          |                                             |
|                       | AD        | 2001/0018758    | 08/2001          | Tanaka et al.     |       |          |                                             |
|                       | AE        | 5,666,289       | 09/1997          | Watkins           |       |          |                                             |
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|                       | AH        | 6,120,549       | 09/2000          | Goslin et al.     |       |          |                                             |
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|                       | AJ        | 6,477,683       | 11/2002          | Killian et al.    |       |          |                                             |
|                       | AK        | 6,505,341       | 01/2003          | Harris et al.     |       |          |                                             |
|                       | AL        | 2003/0005396    | 01/2003          | Chen et al.       |       |          |                                             |
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|                       | AN        | 6,366,874       | 04/2002          | Lee et al.        |       |          |                                             |
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|                       | AQ        | 5,220,512       | 06/1993          | Watkins et al.    |       |          |                                             |
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|                       | AT        | 6,132,109       | 10/2000          | Gregory et al.    |       |          |                                             |
|                       | AU        | 5,963,724       | 10/1999          | Mantooth et al.   |       |          |                                             |
|                       | AV        | 5,852,564       | 12/1998          | King et al.       |       |          |                                             |
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|                       | AX        | 6,219,822       | 04/2001          | Griestede et al.  |       |          |                                             |
|                       | AY        | 5,128,871       | 07/1992          | Schmitz           |       |          |                                             |
|                       | AZ        | 5,506,788       | 04/1996          | Cheng et al.      |       |          |                                             |
|                       | AAA       | 6,457,164       | 09/2002          | Hwang et al.      |       |          |                                             |

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| Examiner Signature                                                                                                                                                           | Date Considered<br>29 Sept - 2004 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                                   |

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| Substitute Form PTO-1449<br>(Modified)                                                                                 |  | U.S. Department of Commerce<br>Patent and Trademark Office | Attorney's Docket No.<br><b>10559-607001</b> | Application No.<br><b>10/054,179</b> |
| <b>Information Disclosure Statement<br/>by Applicant</b><br>(Use several sheets if necessary)<br><br>(37 CFR §1.98(b)) |  | Applicant<br><b>William R. Wheeler et al.</b>              | Filing Date<br><b>January 17, 2002</b>       | Group Art Unit<br><b>212328</b>      |



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|                              | AFF       | 6,260,179       | 07/2001          | Ohsawa et al.      |       |          | Technology Center 2100     |
|                              | AGG       | 6,117,183       | 09/2000          | Teranishi et al.   |       |          |                            |
|                              | AHH       | 5,889,677       | 03/1999          | Yasuda et al.      |       |          |                            |
|                              | AII       | 6,298,468       | 10/2001          | Zhen               |       |          |                            |
|                              | AJJ       | 6,477,689       | 11/2002          | Mandell et al.     |       |          |                            |
|                              | AKK       | 6,480,985       | 11/2002          | Reynolds et al.    |       |          |                            |
|                              | ALL       | 6,519,755       | 02/2003          | Anderson           |       |          |                            |
|                              | AMM       | 6,152,612       | 11/2000          | Liao et al.        |       |          |                            |
|                              | ANN       | 2002/0023256    | 02/2002          | Seawright          |       |          |                            |
|                              | AOO       | 6,053,947       | 04/2000          | Parson             |       |          |                            |
|                              | APP       | 6,135,647       | 10/2000          | Balakrishnan et al |       |          |                            |
|                              | AQQ       | 2003/0016246    | 01/2003          | Singh              |       |          |                            |
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|                              | ATT       | 6,487,698       | 11/2002          | Andreev et al.     |       |          |                            |
|                              | AUU       | 6,311,309       | 10/30/2001       | Southgate          |       |          |                            |
|                              | AVV       | 2002/0166100    | 11-2002          | Meding             |       |          |                            |
|                              | AWW       | US 5,629,857    | 05-1997          | Brennan            |       |          |                            |
|                              | AXX       | 2002/0046386    | 04-2002          | Skoll et al.       |       |          |                            |
|                              | AYY       | 6,401,230       | 06/2002          | Ahanessians et al. |       |          |                            |
|                              | AZZ       | 5,933,356       | 08/1999          | Rostoker et al.    |       |          |                            |
|                              | AAAA      | 6,205,573       | 03/2001          | Hasegawa           |       |          |                            |
|                              | ABBB      |                 |                  |                    |       |          |                            |

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| Examiner Signature                                                                                                                                                           | Date Considered |
| <i>29 Sept 2004</i>                                                                                                                                                          |                 |
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|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------------------|
| Sutstitute Form PTO-1449<br>(Modified)                                                                                 | U.S. Department of Commerce<br>Patent and Trademark Office | Attorney's Docket No.<br>10559-607001  | Application No.<br>10/054,179                                                   |
| <b>Information Disclosure Statement<br/>by Applicant</b><br>(Use several sheets if necessary)<br><br>(37 CFR §1.98(b)) |                                                            | Applicant<br>William R. Wheeler et al. | O P E R A T I O N S & T R A D E M A R K O F F I C E J U N 1 2 2003<br>2123 8825 |
|                                                                                                                        |                                                            | Filing Date<br>January 17, 2002        |                                                                                 |

| <b>U.S. Patent Documents</b> |           |                 |                  |          |       |          |                            |
|------------------------------|-----------|-----------------|------------------|----------|-------|----------|----------------------------|
| Examiner Initial             | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
|                              | ACCC      |                 |                  |          |       |          |                            |

| <b>Foreign Patent Documents or Published Foreign Patent Applications</b> |           |                 |                  |                          |       |          |                            |
|--------------------------------------------------------------------------|-----------|-----------------|------------------|--------------------------|-------|----------|----------------------------|
| Examiner Initial                                                         | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation<br>Yes      No |
|                                                                          | ADDD      |                 |                  |                          |       |          |                            |
|                                                                          | AEEE      |                 |                  |                          |       |          |                            |
|                                                                          | AFFF      |                 |                  |                          |       |          |                            |

| <b>Other Documents (include Author, Title, Date, and Place of Publication)</b> |           |                                                                                                                                                                                                                                                                            |  |  |  |  |  |
|--------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
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|                                                                                | AGGG      | Foley et al., "An Object Based Graphical User Interface for Power Systems", IEEE Transactions on Power Systems, Vol. 8, No. 1, February 1993, pp. 97-104.                                                                                                                  |  |  |  |  |  |
|                                                                                | AHHH      | Pedram et al., "Floorplanning with Pin assignment", 1990 IEEE International Conference on Computer-Aided Design, 11 November 1990, pp. 98-101.                                                                                                                             |  |  |  |  |  |
|                                                                                | AIII      | Renoir, HDL Design Datasheet, Mentor Graphics, 1-8, 1999.                                                                                                                                                                                                                  |  |  |  |  |  |
|                                                                                | AJJJ      | Mentor Graphics Corporation, Renoir™ With HDL2Graphics™, pp. 1-6, 1998, Oregon.                                                                                                                                                                                            |  |  |  |  |  |
|                                                                                | AKKK      | Mentor Graphics Corporation, Renoir HDL Design Datasheet, pp. 1-2, 1999, Oregon.                                                                                                                                                                                           |  |  |  |  |  |
|                                                                                | ALLL      | Computer Design, "AFTER HARD KNOCKS, CYCLE-BASED SIMULATORS STAND THEIR GROUND". <a href="http://www.computer-design.com/Editorial/1996/10/ASIC/after.html">http://www.computer-design.com/Editorial/1996/10/ASIC/after.html</a> , accessed on August 23, 2001, pages 1-5. |  |  |  |  |  |
|                                                                                | AMMM      |                                                                                                                                                                                                                                                                            |  |  |  |  |  |
|                                                                                | ANNN      |                                                                                                                                                                                                                                                                            |  |  |  |  |  |
|                                                                                | AOOO      |                                                                                                                                                                                                                                                                            |  |  |  |  |  |

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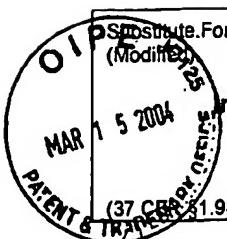
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| Examiner Signature                                                                                                                                                           | Date Considered |
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|-----------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------|------------------------------------------------------|----------------------------------------------|--------------------------------------|
| Substitute Form PTO-1449<br>(Modified)                                                                                |  | U.S. Department of Commerce<br>Patent and Trademark Office |                                                      | Attorney's Docket No.<br><b>10559-607001</b> | Application No.<br><b>10/054,179</b> |
| <b>Information Disclosure Statement<br/>by Applicant</b><br>(Use several sheets if necessary)<br><br>(37 CFR 1.98(b)) |  | Applicant<br><b>William R. Wheeler et al.</b>              |                                                      | RECEIVED<br>MAR 17 2004                      |                                      |
|                                                                                                                       |  | Filing Date<br><b>January 17, 2002</b>                     | Group Art Unit<br><b>2123 Technology Center 2100</b> |                                              |                                      |

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| Examiner Initial      | Desig. ID | Document Number | Publication Date | Patentee             | Class | Subclass | Filing Date If Appropriate |
|                       | AA        | RE 38,059       | 04/2003          | Yano, et al.         |       |          |                            |
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|                       | AK        | 5,475,605       | 12/1995          | Lin                  |       |          |                            |
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|                       | AM        | 5,544,067       | 08/1996          | Rostoker, et al.     |       |          |                            |
|                       | AN        | 5,568,397       | 10/1996          | Yamashita, et al.    |       |          |                            |
|                       | AO        | 5,598,347       | 01/1997          | Iwasaki              |       |          |                            |
|                       | AP        | 5,603,015       | 02/1997          | Kurosawa, et al.     |       |          |                            |
|                       | AQ        | 5,604,894       | 02/1997          | Pickens, et al.      |       |          |                            |
|                       | AR        | 5,663,662       | 09/1997          | Kurosawa             |       |          |                            |
|                       | AS        | 5,673,198       | 09/1997          | Lawman, et al.       |       |          |                            |
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|                       | AU        | 5,694,579       | 12/1997          | Razdan, et al.       |       |          |                            |
|                       | AV        | 5,706,476       | 01/1998          | Giramma              |       |          |                            |
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| Examiner Signature                                                                                                                                                           | Date Considered<br><i>29-SEPT-2004</i> |
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(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
10559-607001Application No.  
10/054,179

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William R. Wheeler et al.

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|                       | AHH       | 6,161,211       | 12/2000          | Southgate         |       |          |                            |
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|                       | AJJ       | 6,208,954       | 03/2001          | Houtchens         |       |          |                            |
|                       | AKK       | 6,216,256       | 04/2001          | Inoue, et al.     |       |          |                            |
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|                       | AOO       | 6,292,931       | 09/2001          | Dupenloup         |       |          |                            |
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|                       | AUU       | 6,381,565       | 04/2002          | Nakamura          |       |          |                            |
|                       | AVV       | 6,421,816       | 07/2002          | Ishikura          |       |          |                            |
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Examiner Signature

Date Considered

29 SEPT 2004

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|---------------------------------------------------------------------------------------|--|------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------|
| O I P E<br>Substitute Form PTO-1449<br>(Modified)                                     |  | U.S. Department of Commerce<br>Patent and Trademark Office | Attorney's Docket No.<br>10559-607001 | Application No.<br>10/054,179                                                                  |
| Information Disclosure Statement<br>by Applicant<br>(Use several sheets if necessary) |  | Applicant<br>William R. Wheeler et al.                     | Filing Date<br>January 17, 2002       | RECEIVED<br>MAR 17 2004<br>P A T E N T & T R ADE M A R K S<br>2123 2875 Technology Center 2100 |
| (37 CFR § 1.98(b))                                                                    |  | Group Art Unit                                             | 2123                                  | MAR 17 2004                                                                                    |

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|                  | ALLL      | 2002/0059054    | 05/2002          | Bade, et al.         |       |          |                            |
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|                  | ANNN      | 2002/0138244    | 09/2002          | Meyer                |       |          |                            |
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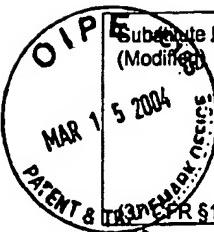
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation<br>Yes      No |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|----------------------------|
|                  | ARRR      | 0 404 482       | 12/1990          | EPO                      |       |          |                            |
|                  | ASSS      | 0 433 066       | 06/1991          | EPO                      |       |          |                            |
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|                  | AUUU      | 0 901 088       | 03/1999          | EPO                      |       |          |                            |
|                  | AVVV      | 1 065 611       | 01/2001          | EPO                      |       |          |                            |
|                  | AWWW      | 58-060559       | 04/1983          | Japan                    |       |          |                            |
|                  | AXXX      | 03-225523       | 10/1991          | Japan                    |       |          |                            |
|                  | AYYY      | 07-049890       | 02/1995          | Japan                    |       |          |                            |
|                  | AZZZ      | 08-314892       | 11/1996          | Japan                    |       |          |                            |

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Date Considered

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Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
10559-607001Application No.  
10/054,179
**Information Disclosure Statement**  
**by Applicant**  
(Use several sheets if necessary)
Applicant  
William R. Wheeler et al.Filing Date  
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| Examiner Initial                                                  | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |
|                                                                   |           |                 |                  |                          |       |          | Yes No      |
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| Examiner Signature                                                                                                                                                           | Date Considered |
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